SERVICE MANUAL

FOR

MODEL SSW-321-F-99

MINI STAINLESS STEEL WALL TELEPHONE WITH VOLUME CONTROL AND BACKGROUND NOISE ELIMINATION

CEECO

Serving the Telephone Industry Since 1930

Communication Equipment
& Engineering Company

519 West South Park Street
Okeechobee, FL 33313

Voice: 954-587-5430
Fax 954-587-5440

IMPORTANT INFORMATION FOR CUSTOMER

Please fill in before you continue.

The following information is necessary when calling CEECO for assistance.

MODEL NUMBER	SSW-321-F-99
SERIAL NUMBER	
DATE MANUFACTURED	
LOCATION INSTALLED	

For us to better serve you, please have this information available when calling for technical support.

CEECO

Communication Equipment & Engineering Company

519 West South Park Street
Okeechobee, FL 34972

(863)-357-0798 Voice
(863)-357-0006 Fax

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1.0 INTRODUCTION

The practices in this manual provide installation and maintenance information for Model **SSW-321-F-99** which is a Stainless Steel, Mini Wall Telephone, for standard dialing operations.

The information in this manual is subject to change without notification.

For information not included in this manual, please call or write:

CEECO
Customer Service
519 West South Park Street
Okeechobee, FL. 34972

(863)-357-0798 Voice
(863)-357-0006 Fax

2.0 GENERAL DESCRIPTION

The CEECO model SSW-321-F-99 is a Mini Wall Telephone equipped with a metal button tone dial. The telephone is designed for special applications where a telephone must be both sturdy and attractive. The phone includes an internal volume control, which is operated by a push button mounted on the face of the housing. The button bears a volume control symbol on its face. The phone also includes a built in noise reduction circuit to help reduce background noise. Rather than the standard mechanical hookswitch, these phones are equipped with a receiver-operated, magnetic hookswitch, which translates to no moving parts.

3.0 OPERATION

Connect telephone to working telephone line of C.O. or PBX. Lift the handset. After dial tone is heard dial your number using the keypad. Normal phone operation follows. Volume may be increased by pressing the button on the face of the housing.

4.0 RECOMMENDED TOOLS AND TEST EQUIPMENT

Volt/Ohm Meter
1/4" Nut Driver
Flat Blade Screw Driver
Security Tool CEECO Part Number 301-037

5.0 INSTALLATION NOTES AND ASSEMBLY INSTRUCTIONS

5.1 Using a 301-037 security tool (sold separately) loosen and remove the security screw.

5.2 The security tool is for a standard 5/32" button head screw generally used on the framework of the phone booths.

5.3 Separate the cover assembly from the backplate assembly.

5.4 The backplate assembly may be installed on any standard backboard.

5.5 Run the inside station wire through the backplate assembly and terminate on the terminal strip on the backplate, as depicted on the following page. The CEECO-provided terminal block **must** be used, as it contains required over-voltage protection.

5.6 The use of a gas tube station protector is recommended. The station ground should not exceed 50 ohms.

5.7 Plug the modular cord from the cover assembly into the modular cord from the terminal block as per the diagram.

5.8 Dress the cable away from the security screw and install the cover assembly by inserting the tabs into the slots on top of the backplate.

5.9 Secure the cover assembly by tightening the security screw.

*****WARNING*****

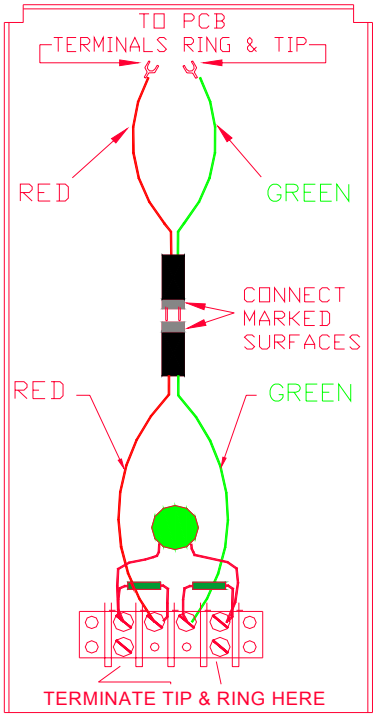
A. Never install telephone wiring during a lightning storm.

B. Never install telephone jacks in wet locations unless the jack is specifically designed for wet locations.

C. Never touch uninsulated telephone wires or terminals unless the telephone line has been disconnected at the network interface.

D. Use caution when installing or modifying telephone lines.

5.10 Over-Voltage Protection Wiring Diagram:



6.0 TESTING

6.1 Connect the phone to a phone line or a DTMF phone test set.

6.2 Lift the handset, dial tone is heard.

6.3 Dial a number. (The transmitter is muted while the phone is dialing.)

6.4 Normal phone conversation is allowed. Place the handset on hook.

6.5 Place a call into the phone.

6.6 Normal phone conversation is allowed.

7.0 SPECIFICATIONS

INPUT POWER:	C.O. Line Powered
LOOP CURRENT:	23mA min to 80mA max
IMPEDANCE:	600 ohms
SIGNALING:	DTMF
HEARING AID COMPATIBLE:	Meets EIA standards
ENVIRONMENTAL:	Temperature 0°C to 50°C Humidity 20%-90% non-condensating
RINGER EQUIVALENCY:	0.4A
TELEPHONE COVER:	Brushed 16 ga. Stainless Steel
DIMENSIONS:	5" Wide x 10 3/4" High x 5" deep (Handset on hook)
MOUNTING:	Vertical surface mount
WEIGHT:	6 lbs.
FCC REGISTRATION:	BW-88T7-13717-TE-T
UL LISTED NO.:	6OF5

8.0 PARTS LIST

QUANTITY	PART NUMBER	DESCRIPTION
1	321-11707	Stainless Steel Mini Housing
1	730-ANS	Model 730 Metal Button Tone Dial
1	301-106-32	Handset with Armored Cord
1	401-009	Ringer
1	301-009	Network
1	301-592	Magnetic Hookswitch Assembly
1	321-015	Stainless Steel Backplate
1	321-016	1/4 - 20 x 3/4 Security Screw
1	301-052	Grommet
1	301-054	Modular Jack

ACCESSORIES:

1	301-037	Security Tool

OPTIONS:

301-106-32 **or**	Handset with Armored Cable
301-106-18 (Prison)	with Internal Steel Lanyard

9.0 FCC NOTICE

9.1 FCC REGISTRATION AND REPAIR INFORMATION

Your new telephone has been registered with the Federal Communication Commission (FCC) in accordance with Part 68. The FCC requires that you be advised of certain requirements involving the use of this telephone.

9.2 CONNECTION WITH THE NATIONWIDE TELEPHONE NETWORK

The FCC requires that you connect this telephone to the Nationwide Telephone Network through a registered jack provided by the telephone company in your area. This jack is a modular outlet, which you can order from your local telephone company.

9.3 NOTIFICATION TO THE TELEPHONE COMPANY

Before connecting this telephone, the FCC requires that you notify your local telephone company business office. The number is in the front of your phone book.

Tell them:
The "line" to which you will connect the telephone (that is, your phone number) and the telephone's FCC registration number and ringer equivalence number. These numbers are listed in section 7.00.

The FCC further requires that you notify your local telephone company when permanently disconnecting this telephone.

10.0 REPAIR AND RETURN INFORMATION

10.1 WARRANTY REPAIR

Any device returned requiring warranty service, repair or credit must be accompanied with a "Return Material Authorization" (RMA) Form. It must include: RMA Number, return shipping instructions, original purchase order number, serial number and special marking instructions. A tag with the trouble observed must be attached to the defective unit. This information must be inside the shipping container.

10.2 DIRECT ALL INQUIRES TO:

CEECO
Repair Department
519 West South Park Street
Okeechobee, FL 34972

(863)-357-0798

10.3 NON-WARRANTY REPAIR

CEECO will repair equipment out of warranty for a set charge plus parts. The customer must pay the shipping costs both directions.

10.4 RETURN FOR CREDIT

Material may be returned for credit only with prior approval. Material authorized for return is subject to a 20% restocking charge based on the manufacturer's list price. Return Material Authorization must be requested no later than 30 days after original shipment. Items returned for credit must be returned in their original shipping container.

11.0 WARRANTY POLICY

11.1 GENERAL

CEECO guarantees its products to be free from defects in material and workmanship for a period of 365 days from the date of original purchase. CEECO's obligation under this warranty is limited to repair or replacement of any part found to be defective by CEECO.

UNDER NO CIRCUMSTANCES shall CEECO be liable for loss, damage, cost of repair or consequential damages of any kind, which have been caused by neglect, abuse or improper operation of equipment.

CEECO will repair or replace any unit during this period if found to be defective for reasons other than abuse and improper use or improper installation. It is the buyer's responsibility to return the defective unit to the factory. CEECO will then repair or replace any defective parts and return them to the buyer free of charge.

11.2 PRINTED CIRCUIT BOARDS

Printed circuit boards should not be repaired in the field. If a unit is found to be faulty, replace it with another unit and return the faulty unit to CEECO for repair. Modifications by any one other than CEECO will void the warranty.